Protein Smaug Homolog 2 (SAMD4B) Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	Protein Smaug homolog 2 (SAMD4B), Recombinant Protein
Full Product Name	Recombinant Human Protein Smaug homolog 2 (SAMD4B)
Product Gene Name	SAMD4B recombinant protein
Product Synonym Gene Name	SAMD4B
Sequence	MMFRDQVGIL AGWFKGWNEC EQTVALLSLL KRVTRTQARF LQLCLEHSLA DCNDIHLLES EANSAAIVSQ WQQESKEKVV SLLLSHLPLL QPGNTEAKSE YMRLLQKVLA YSIESNAFIE ESRQLLSYAL IHPATTLEDR NALALWLSHL EERLASGFRS RPEPSYHSRQ GSDEWGGPAE LGPGEAGPGW QDKPPRENGH VPFHPSSSVP PAINSIGSNA NTGLPCQIHP SPLKRSMSLI PTSPQVPGEW PSPEELGARA AFTTPDHAPL SPQSSVASSG SEQTEEQGSS RNTFQEDGSG MKDVPSWLKS LRLHKYAALF SQMSYEEMMT LTEQHLESQN VTKGARHKIA LSIQKLRERQ SVLKSLEKDV LEGGNLRNAL QELQQIIITP IKAYSVLQAT VAAATTTPTA KDGAPGEPPL PGAEPPLAHP GTDKGTEAKD PPAVENYPPP PAPAPTDGSE PAPAPVADGD IPSQFTRVMG KVCTQLLVSR PDEENITSYL QLIEKCLTHE AFTETQKKRL LSWKQQVLKL LRTFPRKAAL EMQNYRQQKG WAFGSNSLPI AGSVGMGVAR RTQRQFPMPP RALPPGRMGL LSPSGIGGVS PRHALTSPSL GGQGRQNLWF ANPGGSNSMP SQSRSSVQRT HSLPVHSSPQ AILMFPPDCP VPGPDLEINP TLESLCLSMT EHALGDGTDK TSTI
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	75,483 Da
Sequence Positions	1-694, Full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q5PRF9
Species	Human
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for SAMD4B recombinant protein	MBS1425202 is a recombinant protein targeting SAMD4B. Also known as Recombinant Human Protein Smaug homolog 2 (SAMD4B). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of SAMD4B recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SAMD4B. It may not necessarily be applicable to this product.

NCBI GI #	746815304

NCBI GeneID	55095
NCBI Accession #	NP_001290543.1
UniProt Primary Accession #	Q5PRF9
UniProt Secondary Accession #	Q6P194; A5Z0M6
UniProt Related Accession #	Q5PRF9
GenBank Nucleotide #	NM_001303614.1
NCBI Official Full Name	protein Smaug homolog 2 isoform b
NCBI Official Synonym Full Names	sterile alpha motif domain containing 4B
NCBI Official Symbol	SAMD4B
NCBI Official Synonym Symbols	SMGB; Smaug2
UniProt Protein Name	Protein Smaug homolog 2
UniProt Synonym Protein Names	Sterile alpha motif domain-containing protein 4B; SAM domain-containing protein 4B
Protein Family	Protein
UniProt Gene Name	SAMD4B
UniProt Synonym Gene Names	SMAUG2; Smaug 2; hSmaug2; SAM domain-containing protein 4B
NCBI Protein Information	protein Smaug homolog 2
UniProt Comments for SAMD4B	Has transcriptional repressor activity. Overexpression inhibits the transcriptional activities of AP-1, p53/TP53 and CDKN1A.
Research Articles on SAMD4B	**1.** Observational study of gene-disease association, gene-environment interaction, and pharmacogenomic / toxicogenomic. (HuGE Navigator)
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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